

Converting Colors

CIELCh(85, 12.092, 96.092)

Have a look what the booklet for
CIELCh(85, 12.092, 96.092) contains.

CIELCh(85, 11.809, 96.226)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(85, 11.809, 96.226)

Conversions

Conversions Part 1

Format	Color
Hex	DBD4BE
RGB	219, 212, 190
RGB Percent	86%, 83%, 75%
CMY	0.1404, 0.1678, 0.2541
CMYK	0.00, 0.03, 0.13, 0.14
HSL	46°, 29%, 80%
HSV	46°, 13%, 86%
XYZ	62.1856, 66.0070, 58.2931
YIQ	211.5850, 11.2340, -5.3580

Conversions

Conversions Part 2

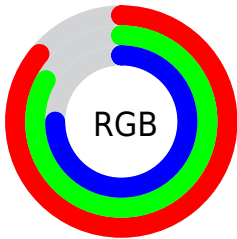
Format	Color
RYB	199, 219, 190
Decimal	14406846
CIELab	85.00, -1.28, 11.74
CIELCh	85, 11.809, 96.226
Yxy	66.0070, 0.3335, 0.3540
Android (android.graphics.Color)	4292596926 (0xFFD4BE)
YUV	211.5850, -10.6414, 6.5030
Hunter-Lab	81.2447, -5.5523, 14.3307

Details

The CIELCh color $85, 11.809, 96.226$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $80, 11.934, 279.510$, and the grayscale version is $85, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 4.553, 109.821$, and $65, 11.416, 94.654$ is the 20% darker color. If you saturate the color by 10%, you get $83, 20.850, 95.018$, and if you desaturate by 10%, it is $87, 2.860, 97.370$.

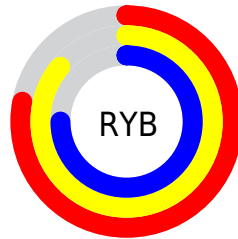
Distribution



Red (86%)

Green (83%)

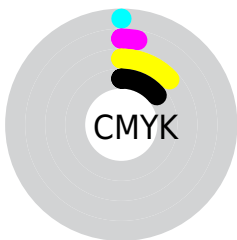
Blue (75%)



Red (78%)

Yellow (86%)

Blue (75%)

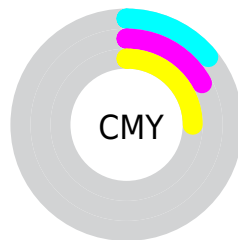


Cyan (0%)

Magenta (3%)

Yellow (13%)

Black (14%)



Cyan (14%)

Magenta (17%)

Yellow (25%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 11.809, 96.226 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 85, 11.809, 96.226 by changing the saturation by 10% instead.

 85, 11.809, 96.226

 85, 11.809, 96.226

 100, 11.809,
96.226

 75, 11.809, 96.226

 65, 11.809, 96.226

 55, 11.809, 96.226

 45, 11.809, 96.226

 35, 11.809, 96.226

 25, 11.809, 96.226

 15, 11.809, 96.226

 5, 11.809, 96.226

 0, 11.809, 96.226

85, 11.809, 96.226

85, 11.809, 96.226

83, 20.850, 95.018

87, 2.860, 97.370

81, 29.938, 93.762

89, 5.983, 278.612

80, 38.993, 92.475

91, 14.223,
279.220

78, 47.868, 91.160

92, 12.055,
267.823

76, 56.302, 89.813

75, 63.857, 88.413

93, 10.540,
252.478

74, 69.878, 86.913

95, 9.962, 233.925

72, 73.610, 85.225

96, 10.463,
215.334

71, 74.932, 83.965

97, 11.893,
199.911

98, 12.060,

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



85, 11.809, 96.226



80, 11.934, 279.510

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 11.809, 96.226



85, 11.809, 146.226



85, 11.809, 276.226



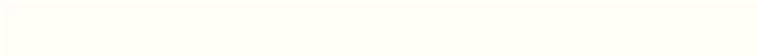
85, 11.809, 326.226

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



85, 11.810, 96.236



99, 4.007, 97.290



80, 11.492, 0.771



53, 2.850, 97.210



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85, 11.810, 96.236



97, 16.174, 95.887



86, 15.371, 119.087



45, 5.056, 96.685



57, 62.988, 84.311



14, 20.967, 87.517

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



80, 11.934, 279.510



89, 16.373, 279.925



78, 15.791, 300.793



43, 5.099, 278.998



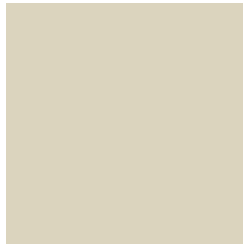
26, 83.161, 300.818



4, 24.727, 288.933

Previews

White Background



This preview shows how the CIELCh color 85, 11.809, 96.226 looks on a white background.

Color Contrast Check

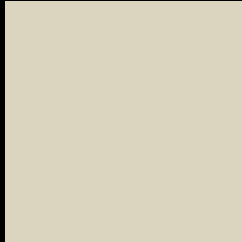
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 85, 11.809, 96.226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

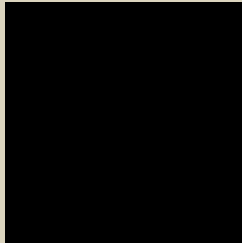
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

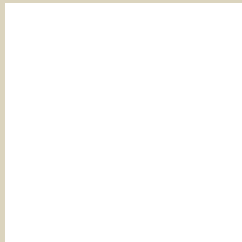
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 11.809, 96.226

Background



This preview shows how black text looks on a background with the CIELCh color 85, 11.809, 96.226.

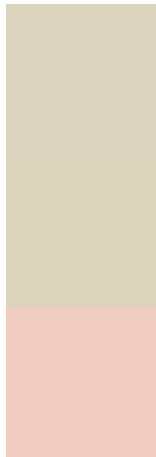


This preview shows how white text looks on a background with the CIELCh color 85, 11.809, 96.226.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

85, 11.809, 96.226

Protanopia

85, 12.001, 92.678

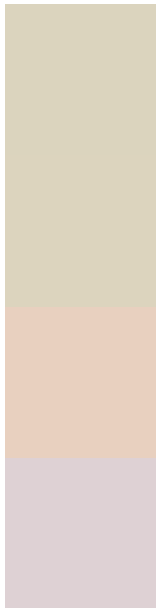
Deuteranopia

85, 15.078, 46.944



Tritanopia
85, 10.871, 324.832

Trichromacy



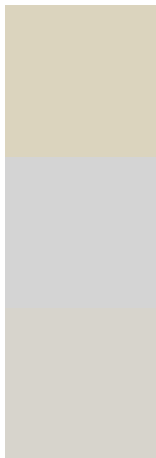
Original Color
85, 11.809, 96.226

Protanomaly
85, 11.899, 94.439

Deuteranomaly
85, 12.797, 63.747

Tritanomaly
85, 5.010, 1.370

Monochromacy



Original Color
85, 11.809, 96.226

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 4.322, 95.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 11.809, 96.226 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(219, 212, 190)` looks like.

```
.text, #text, p{  
    color:rgb(219, 212, 190)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(219, 212, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 212, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 11.809, 96.226 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(219, 212, 190) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(219, 212, 190) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(219, 212, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 212, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 212, 190);  
box-shadow:4px 4px 4px 4px rgb(219, 212,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 11.809, 96.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 212, 190) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(219,  
212, 190) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor